Application No. 10/560,471 Amendment dated November 2, 2011 Response to Final Office Action of June 2, 2011

**Amendments to the Claims:** 

This listing of claims will replace all prior versions, and listings, of claims in the

application:

**Listing of Claims:** 

Claims 1-15 (Canceled)

16. (Currently amended) A method of reducing the pains of muscle pain, joint

pain, lumbago, shoulder stiffness, and fracture pain, without unpleasant irritation when

topically applied, by applying an analgesic and anti-inflammatory patch comprising an

aqueous poultice material containing 10 to 80 wt% water, 0.5 to 20 wt% of benzocaine,

and at least one ingredient having a counter-irritation effect selected from the group

consisting of l-menthol, dl-menthol, dl-camphor, d-camphor, methyl salicylate, glycol

salicylate, mentha oil, eucalyptus oil, capsaicin, capsicum extract, and nonylic

vanillylamide, wherein the ingredient having a counter-irritation effect is present in an

amount of 0.01 to 30 wt% when it is one of l-menthol, dl-menthol, dl-camphor, d-

camphor, methyl salicylate, glycol salicylate, mentha oil or eucalyptus oil, or in an

amount of greater than 1.0 to 5 wt% when it is one of capsaicin, capsicum extract or

nonylic vanillylamide.

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17. (Currently amended) An analgesic and anti-inflammatory patch

comprising an aqueous poultice material containing 10 to 80 wt% water, 0.5 to 20 wt% of

benzocaine, and at least one ingredient having a counter-irritation effect selected from the

group consisting of l-menthol, dl-menthol, dl-camphor, d-camphor, methyl salicylate,

glycol salicylate, mentha oil, eucalyptus oil, capsaicin, capsicum extract, and nonylic

vanillylamide, wherein the ingredient having a counter-irritation effect is present in an

amount of 0.01 to 30 wt% when it is one of 1-menthol, d1-menthol, d1-camphor, d-

Application No. 10/560,471 Amendment dated November 2, 2011 Response to Final Office Action of June 2, 2011

camphor, methyl salicylate, glycol salicylate, mentha oil or eucalyptus oil, or in an amount of 0.001 greater than 1.0 to 5 wt% when it is one of capsaicin, capsicum extract or nonylic vanillylamide.

- 18. (Previously presented) The analgesic and anti-inflammatory patch according to claim 17, wherein the aqueous poultice material comprises 3 to 40 wt% of at least one water-soluble polymer, the water-soluble polymer being selected from the group consisting of gelatin, pullulan, polyvinylpyrrolidone, polyvinylalcohol, methylcellulose, ethylcellulose, carboxymethylcellulose, hydroxyethylcellulose, hydroxypropylcellulose, polyacrylic acid, sodium polyacrylate, acrylic acid copolymer, maleic anhydride copolymer, starch/sodium acrylate graft copolymer, carboxyvinyl polymer, sodium alginate, xanthan gum, agar, and carrageenan.
- 19. (Previously presented) The analgesic and anti-inflammatory patch according to claim 18, wherein the aqueous poultice further comprises 0.001 to 5 wt% of at least one crosslinker to crosslink the water-soluble polymer, the crosslinker being selected from the group consisting of potassium alum, aluminium alum, magnesium chloride, calcium chloride, aluminium chloride, aluminium hydroxide, calcium hydroxide, ferric hydroxide, calcium phosphate, calcium citrate, aluminium gylcinate, magnesium aluminometasilicate, magnesium aluminosilicate, aluminium metasilicate, magnesium silicate, synthetic hydrotalcite, polyethyleneglycol diglycidyl ether, ethyleneglycol diglycidyl ether, glycerine diglycidyl ether and tyiglycerin diglycidyl ether.

## 20. (Canceled)

21. (New) The method according to claim 16, wherein the ingredient having a counter-irritation effect is present in an amount of 0.1 to 15 wt% when it is one of 1-menthol, dl-menthol, dl-camphor, d-camphor, methyl salicylate, glycol salicylate, mentha

Application No. 10/560,471 Amendment dated November 2, 2011 Response to Final Office Action of June 2, 2011

oil or eucalyptus oil, or in an amount of greater than 1.0 to 3 wt% when it is one of capsaicin, capsicum extract or nonylic vanillylamide.

22. (New) The analgesic and anti-inflammatory patch according to claim 17, wherein the ingredient having a counter-irritation effect is present in an amount of 0.1 to 15 wt% when it is one of l-menthol, dl-menthol, dl-camphor, d-camphor, methyl salicylate, glycol salicylate, mentha oil or eucalyptus oil, or in an amount of greater than 1.0 to 3 wt% when it is one of capsaicin, capsicum extract or nonylic vanillylamide.